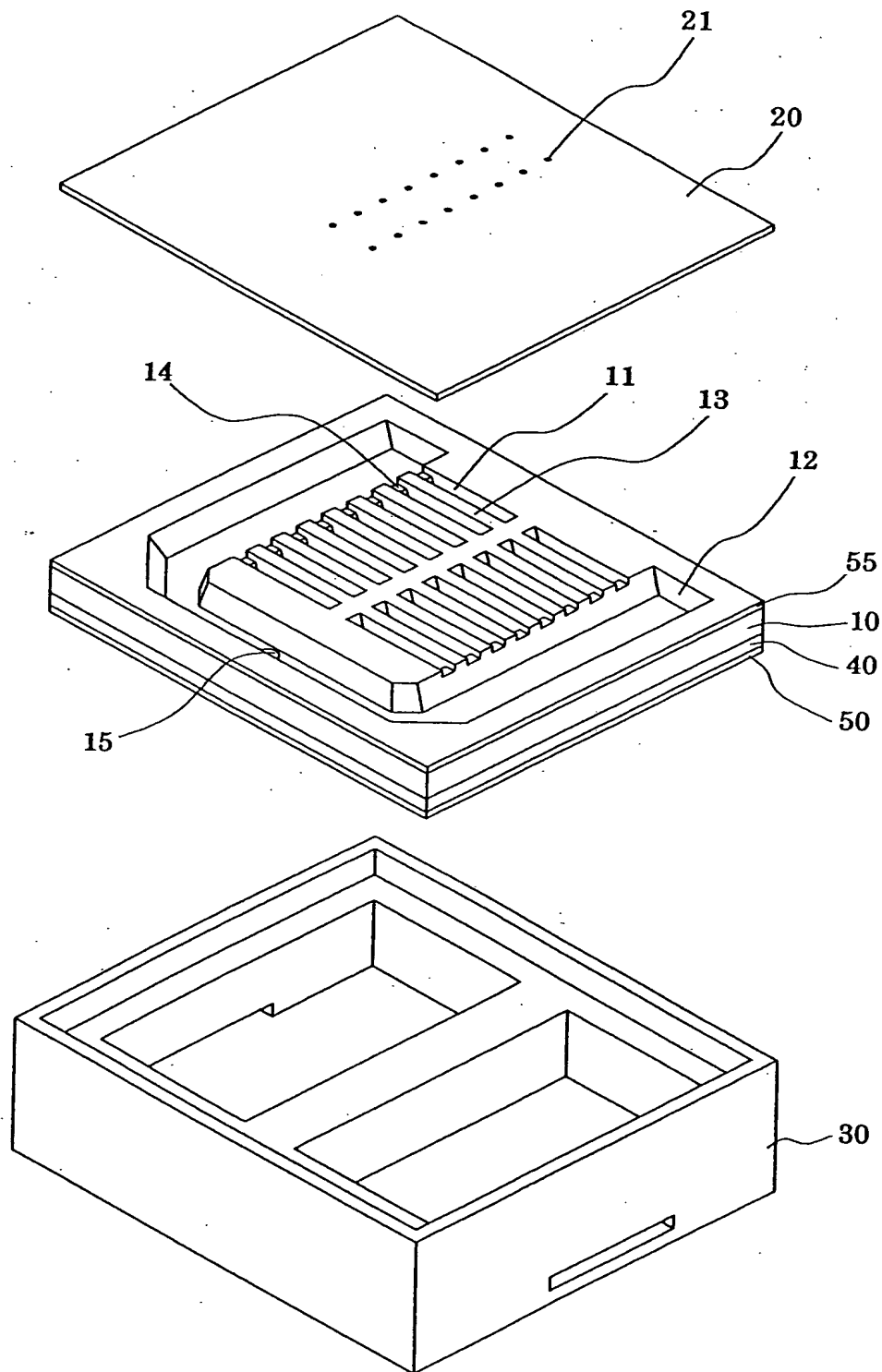


FIG. 1



A cross-sectional view of a multi-layered structure 300. The structure consists of several layers: a top layer 11, a middle layer 12, and a bottom layer 14. A central cavity 41 is formed within the middle layer 12. The cavity 41 is bounded by side walls 20 and 21, and a bottom wall 40. The side walls 20 and 21 are formed by a layer 55 on top of a layer 10. The bottom wall 40 is formed by a layer 40 on top of a layer 50. The structure 300 is supported by a base 320. The base 320 has a central portion 70 and side portions 80. The side portions 80 are connected to the side walls 20 and 21 by a layer 60.

FIG. 3A

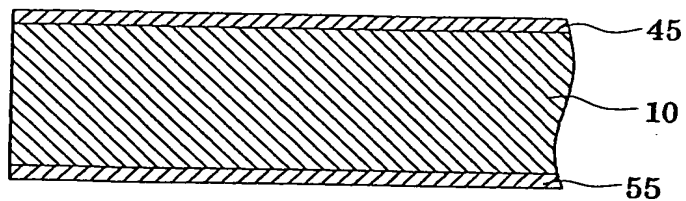


FIG. 3B

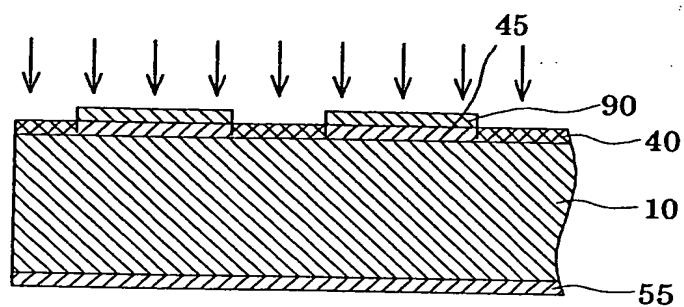


FIG. 3C

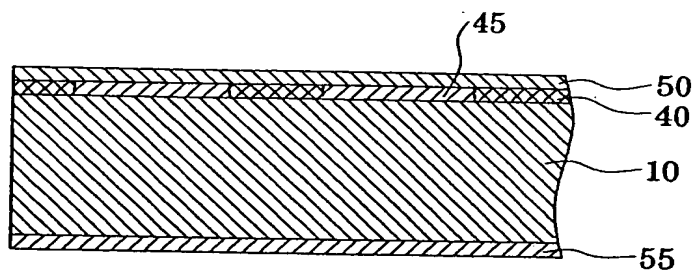


FIG. 3D

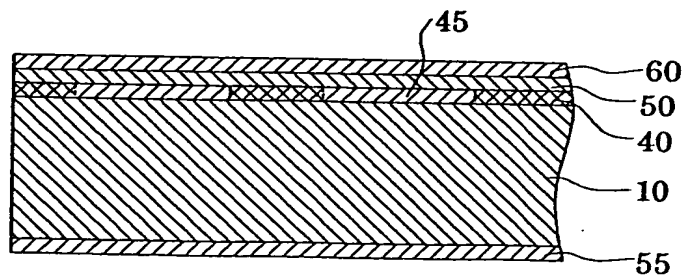


FIG. 4A

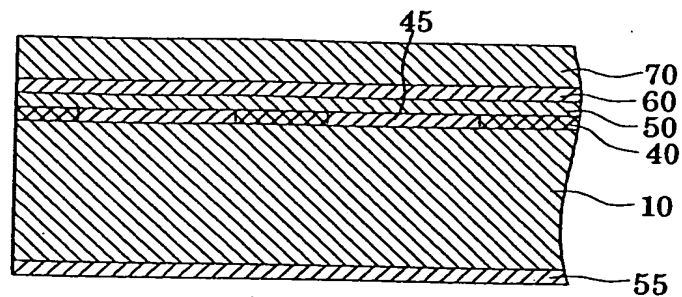


FIG. 4B

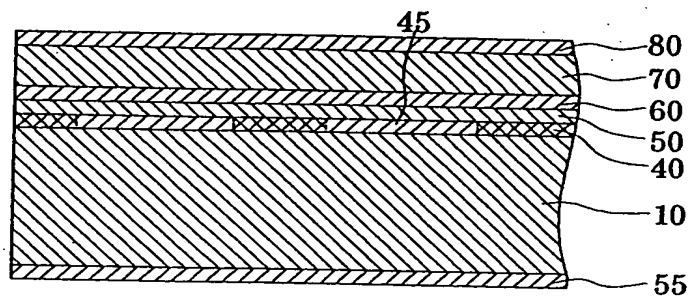


FIG. 4C

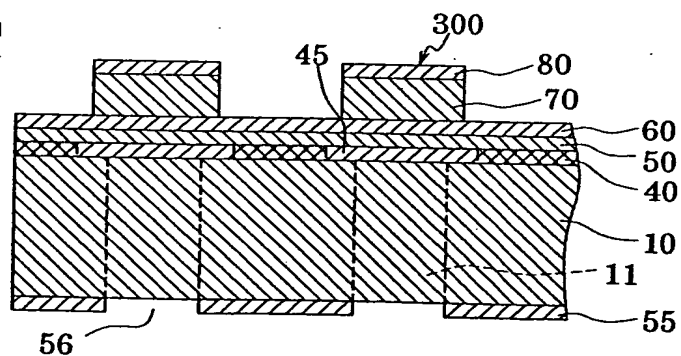


FIG. 4D

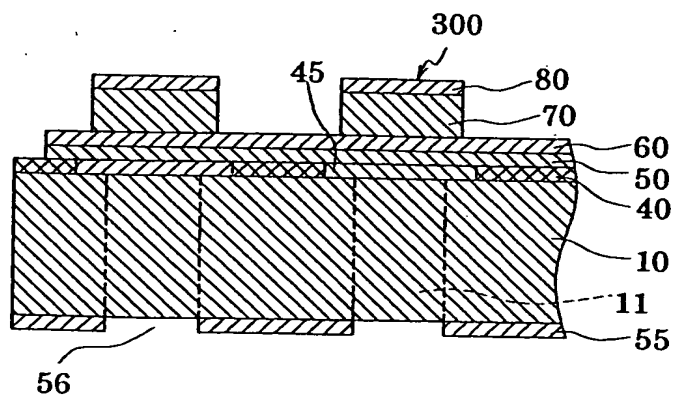


FIG. 5A

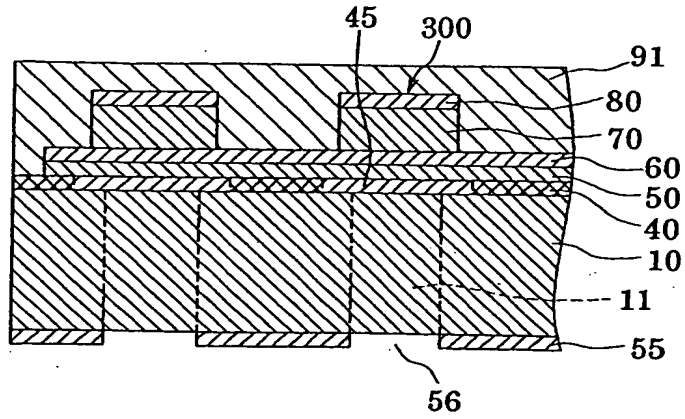


FIG. 5B

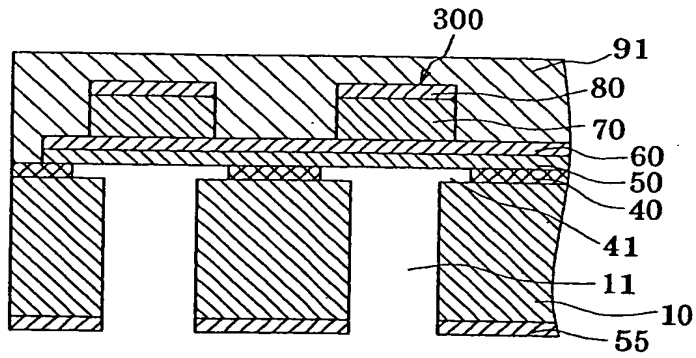


FIG. 5C

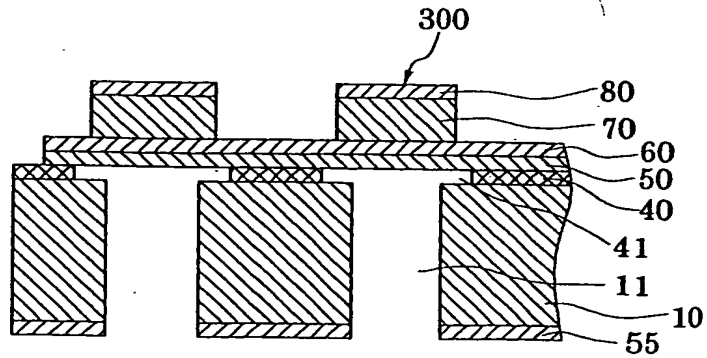


FIG. 6A

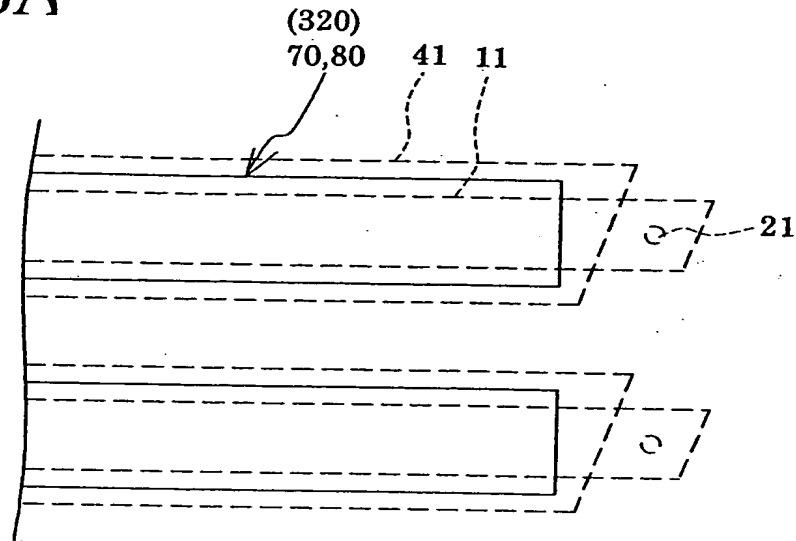
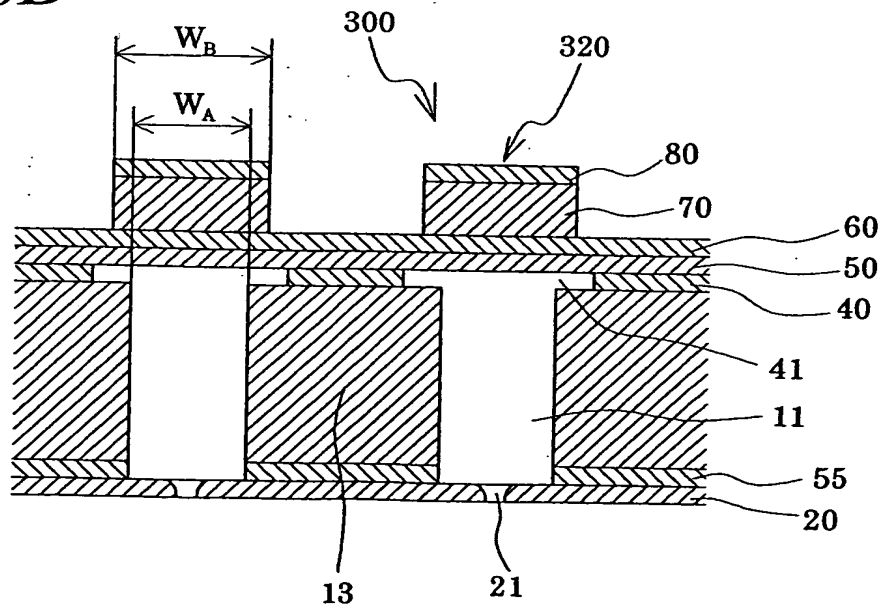


FIG. 6B



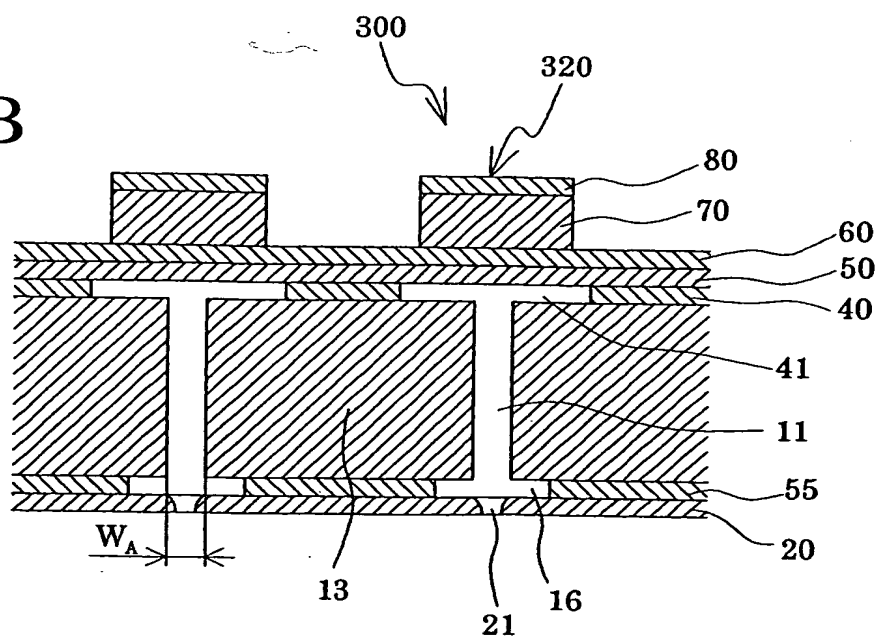


FIG. 8A

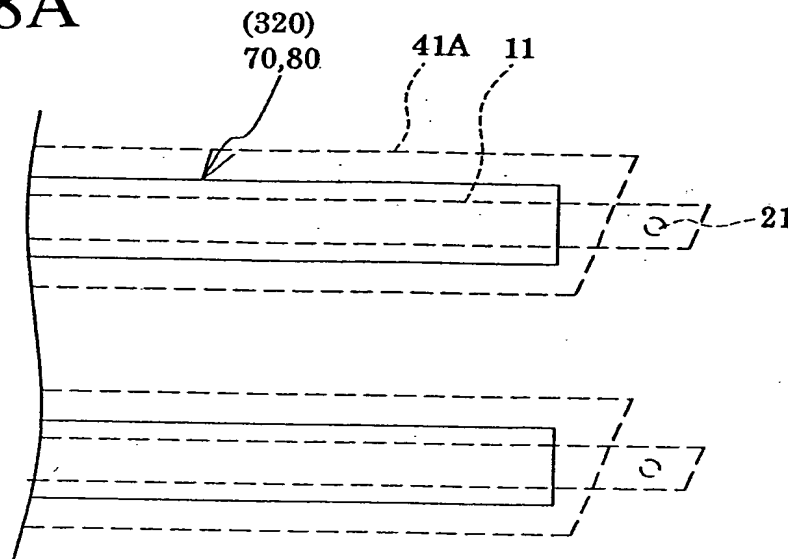


FIG. 8B

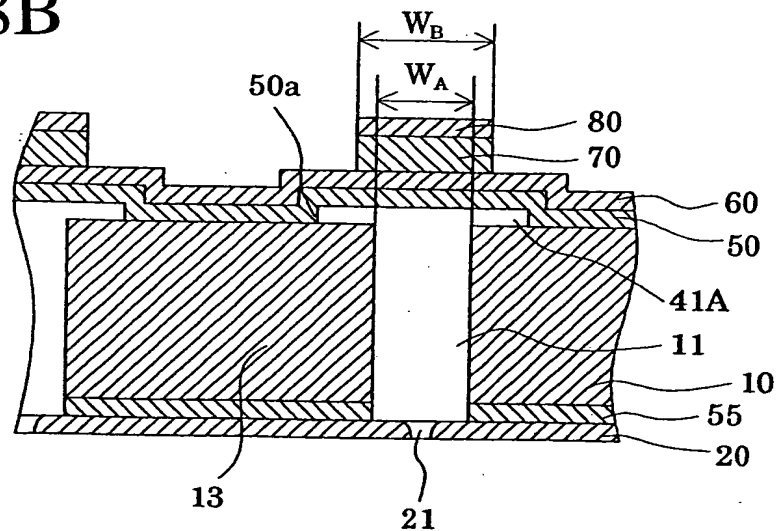




FIG. 9A

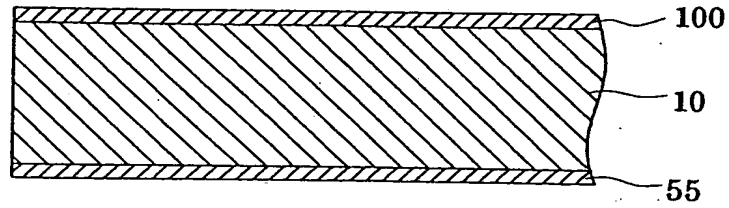


FIG. 9B

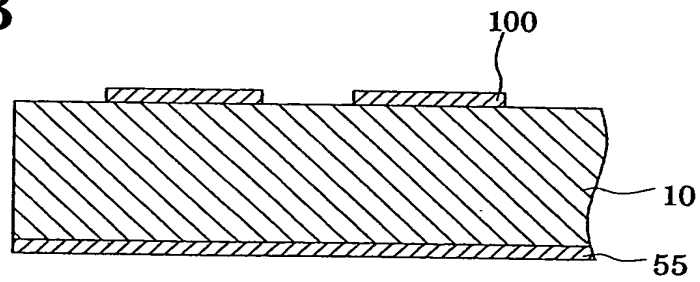


FIG. 9C

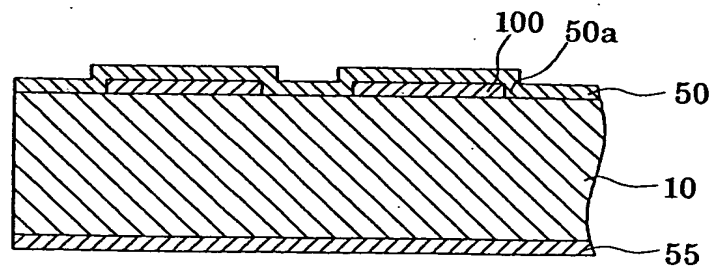


FIG. 10A

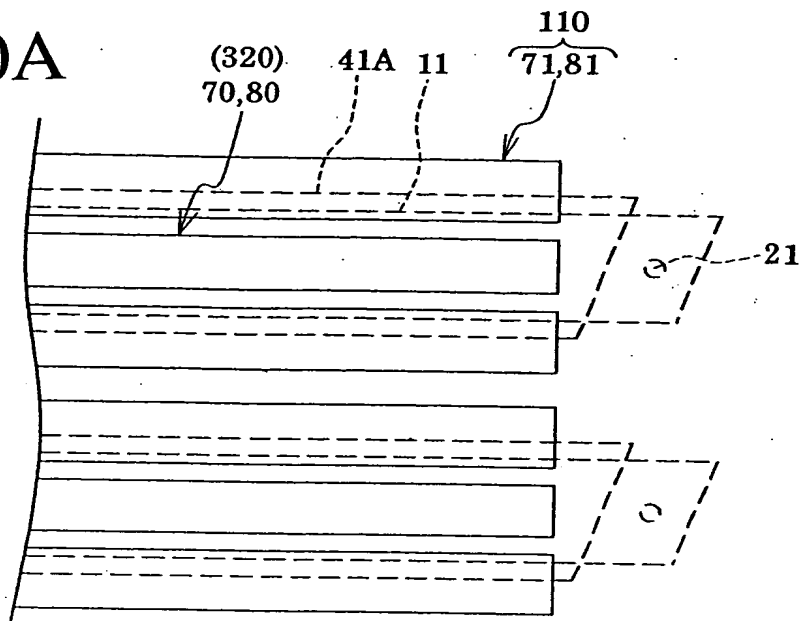


FIG. 10B

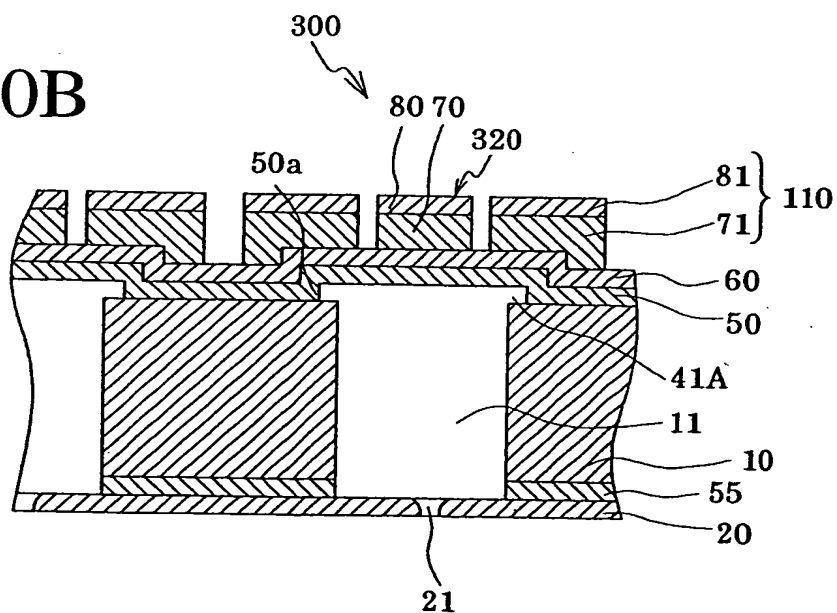


FIG. 11A

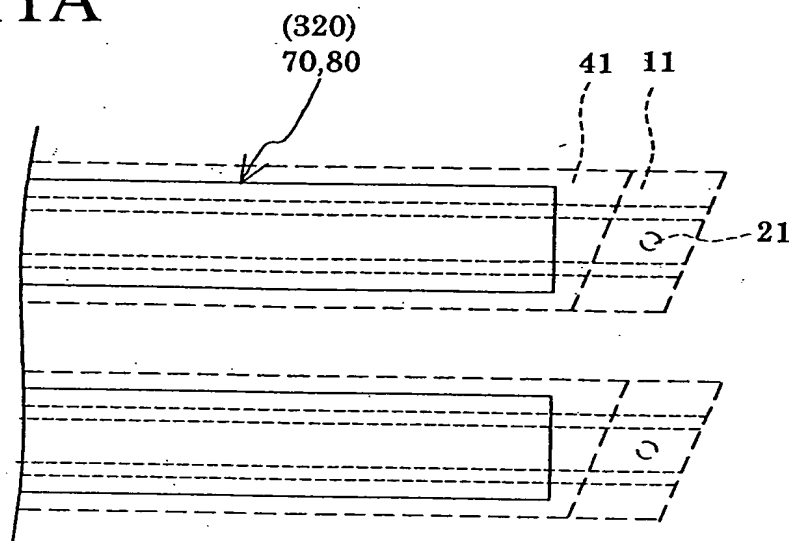


FIG. 11B

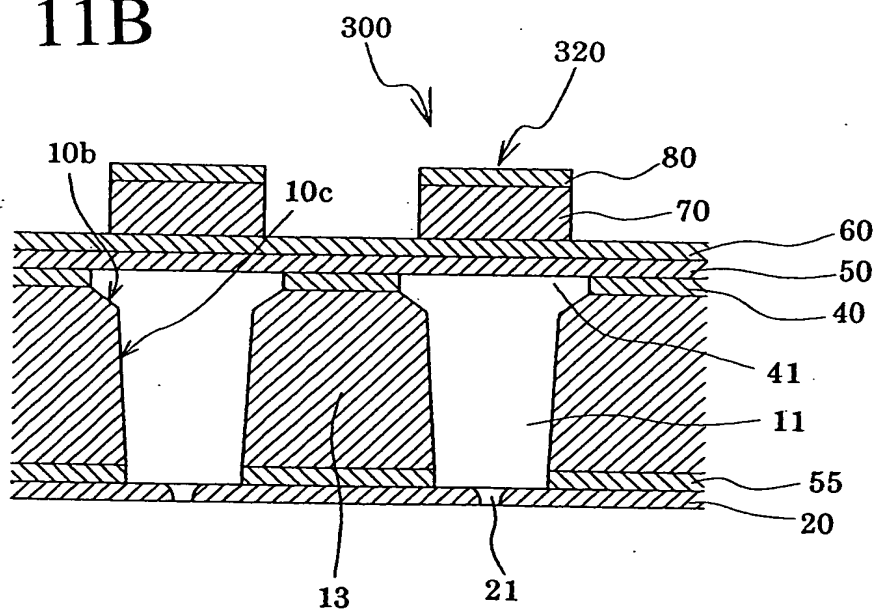


FIG. 12A

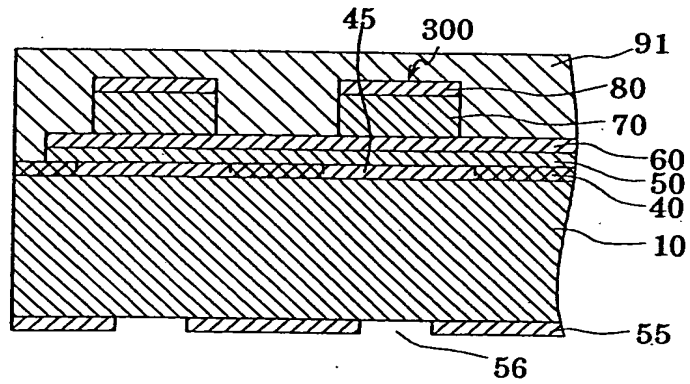


FIG. 12B

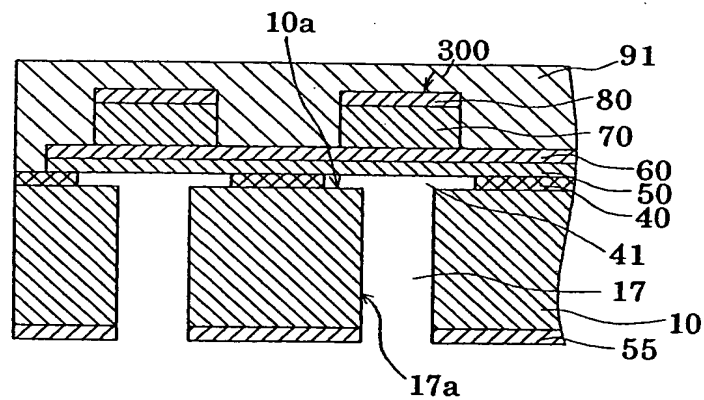


FIG. 12C

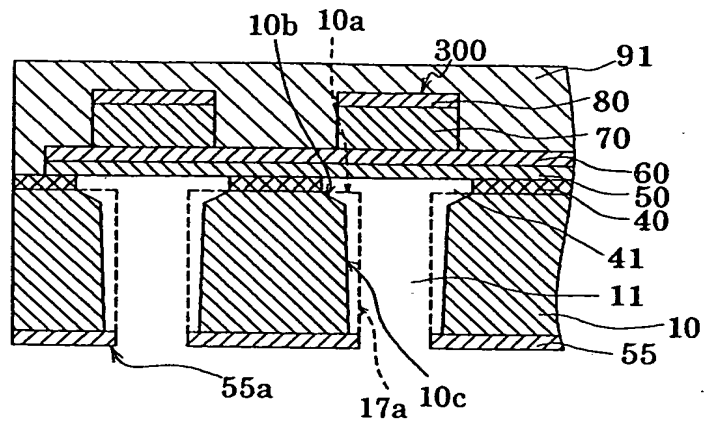


FIG.13

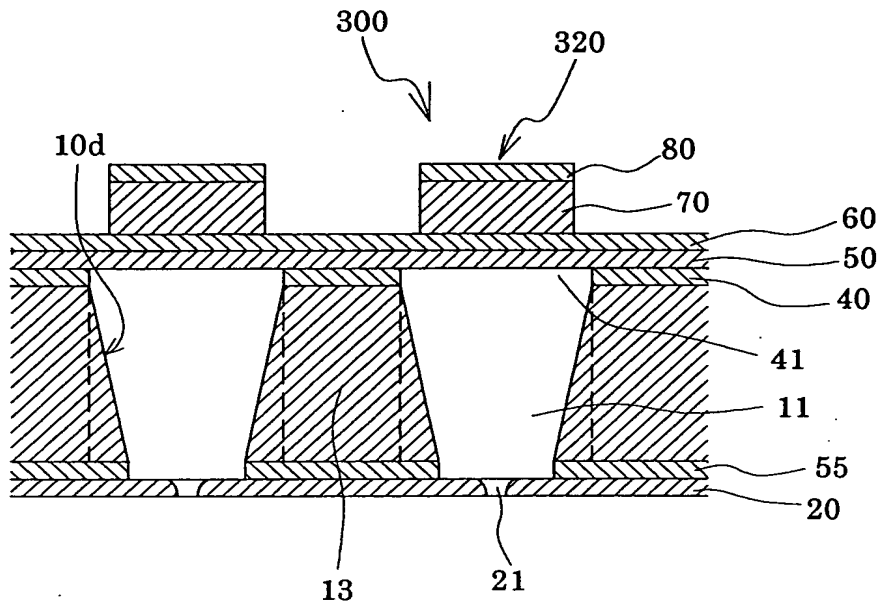


FIG. 14

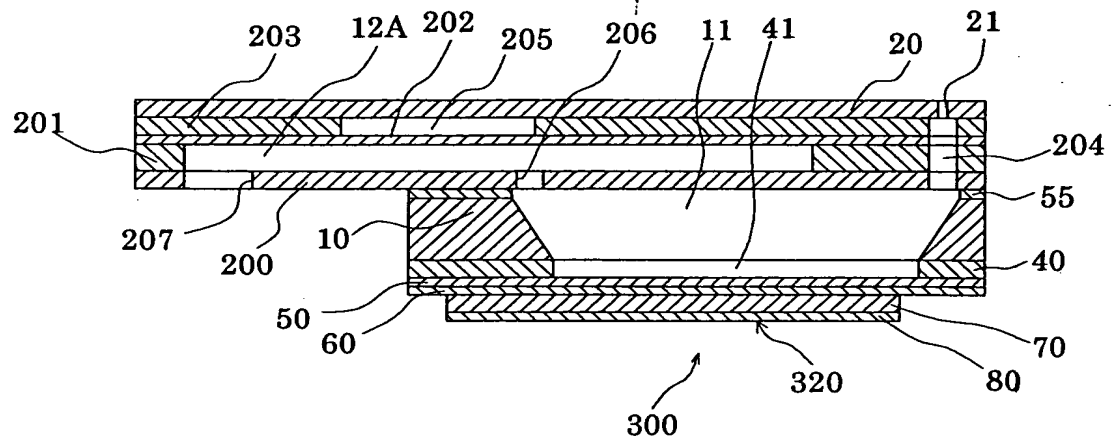


FIG. 15

